BIOTECHNOLOGY
SYSTEMS
BRANCH

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/698,121
Source: IFWO
Date Processed by STIC: 5/7/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221
Effective 12/13/03: **TELEPHONE: 571-272-2510; FAX: 571-273-0221**

TO REDUCE ERRORED SEQUENCE LISTINGS, **PLEASE USE THE CHECKER VERSION 4.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry directly to (EFFECTIVE 12/01/03):**
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

SERIAL NUMBER: 10/698,121

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

	ERROR DETECTED	SUGGESTED CORRECTION
1 ____	Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2 ____	Invalid Line Length	The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
3 ____	Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
4 ____	Non-ASCII	The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**
5 ____	Variable Length	Sequence(s) ____ contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6 ____	PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) __________. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
7 ____	Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
8 ____	Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If **intentional**, please insert the following lines for **each** skipped sequence. <210> sequence id number <400> sequence id number 000
9 ____	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
10 ____	Invalid <213> Response	Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence
11 ____	Use of <220>	Sequence(s) _______ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12 ____	PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13 ____	Misuse of n/Xaa	"n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid

AMC – Biotechnology Systems Branch – 09/09/2003

IFW0

RAW SEQUENCE LISTING DATE: 05/07/2004
PATENT APPLICATION: **US/10/698,121** TIME: 14:08:46

Input Set : **A:\249.00070101.SEQ LIST.ST25.txt**
Output Set: **N:\CRF4\05072004\J698121.raw**

```
 3 <110> APPLICANT: Boys Town National Research Hospital
 4       Cosgrove, Dominic
 6 <120> TITLE OF INVENTION: INDUCIBLE LIGAND FOR ALPHA1BETA1 INTEGRIN AND USES
 8 <130> FILE REFERENCE: 249.0007 0101
10 <140> CURRENT APPLICATION NUMBER: 10/698,121
11 <141> CURRENT FILING DATE: 2003-10-31
13 <150> PRIOR APPLICATION NUMBER: 60/423,297
14 <151> PRIOR FILING DATE: 2002-11-01
16 <160> NUMBER OF SEQ ID NOS: 10
18 <170> SOFTWARE: PatentIn version 3.2
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 8
22 <212> TYPE: PRT
23 <213> ORGANISM: artificial
25 <220> FEATURE:
26 <223> OTHER INFORMATION: peptide
28 <400> SEQUENCE: 1
30 Gly Ala Glu Gly Ser Pro Gly Leu
31 1               5
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 12
36 <212> TYPE: PRT
37 <213> ORGANISM: artificial
39 <220> FEATURE:
40 <223> OTHER INFORMATION: peptide
42 <400> SEQUENCE: 2
44 Gly Glu Lys Gly Ala Glu Gly Ser Pro Gly Leu Leu
45 1               5                   10
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 20
50 <212> TYPE: DNA
51 <213> ORGANISM: artificial
53 <220> FEATURE:
54 <223> OTHER INFORMATION: oligonucleotide primer
56 <400> SEQUENCE: 3
57 ggagctgtcg tattccagtc                                                   20
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 20
62 <212> TYPE: DNA
63 <213> ORGANISM: artificial
65 <220> FEATURE:
66 <223> OTHER INFORMATION: oligonucleotide primer
68 <400> SEQUENCE: 4
```

pp 1-2

Does Not Comply
Corrected Diskette Needed

insufficient explanation - give source of genetic material (see item 11 on Error Summary Sheet)

same error

```
69 aacccctcaa gacccgttta                                              20
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 30
74 <212> TYPE: DNA
75 <213> ORGANISM: artificial
77 <220> FEATURE:
78 <223> OTHER INFORMATION: oligonucleotide primer
80 <400> SEQUENCE: 5
81 ggtgaaggtc ggagtcaacg gatttggtcg                                   30
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 29
86 <212> TYPE: DNA
87 <213> ORGANISM: artificial
89 <220> FEATURE:
90 <223> OTHER INFORMATION: oligonucleotide primer
92 <400> SEQUENCE: 6
93 ggatctcgct cctggaagat ggtgatggg                                    29
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 20
98 <212> TYPE: DNA
99 <213> ORGANISM: artificial
101 <220> FEATURE:
102 <223> OTHER INFORMATION: oligonucleotide primer
104 <400> SEQUENCE: 7
105 gagcggggca tgccaggaat                                              20
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 20
110 <212> TYPE: DNA
111 <213> ORGANISM: artificial
113 <220> FEATURE:
114 <223> OTHER INFORMATION: oligonucleotide primer
116 <400> SEQUENCE: 8
117 tggccatcaa caccagcttc                                              20
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 24
122 <212> TYPE: DNA
123 <213> ORGANISM: artificial
125 <220> FEATURE:
126 <223> OTHER INFORMATION: oligonucleotide primer
128 <400> SEQUENCE: 9
129 ctgcgctcca acccgataat gtcc                                         24
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 22
134 <212> TYPE: DNA
135 <213> ORGANISM: artificial
137 <220> FEATURE:
138 <223> OTHER INFORMATION: oligonucleotide primer
140 <400> SEQUENCE: 10
141 tggggggcctg cttgtcctgt ct                                          22
```

```
              RAW SEQUENCE LISTING ERROR SUMMARY       DATE: 05/07/2004
              PATENT APPLICATION:  US/10/698,121       TIME: 14:08:47

              Input Set  : A:\249.00070101.SEQ LIST.ST25.txt
              Output Set: N:\CRF4\05072004\J698121.raw

valid <213> Response:
e of "Artificial" only as "<213> Organism" response is incomplete,
r 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

q#:1,2,3,4,5,6,7,8,9,10
```

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VERIFICATION SUMMARY                          DATE: 05/07/2004
PATENT APPLICATION:  US/10/698,121            TIME: 14:08:47

Input Set : A:\249.00070101.SEQ LIST.ST25.txt
Output Set: N:\CRF4\05072004\J698121.raw
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